

SWP Water Quality Summary

January 30 to February 6, 2008

Total Dissolved Solids: TDS decreased at Banks Pumping Plant (BPP), Check 29, Barker Slough and Vallecitos, but increased at Checks 41 and Devil Canyon. Concentrations ranged from 119 mg/L to 346 mg/L (198 uS/cm to 577 uS/cm) and remained below the Article 19 Monthly Average Objective of 440 mg/L. The highest concentration of 346 mg/L (577 uS/cm) occurred at Check 41 while the lowest concentration of 119 mg/L (217 uS/cm) occurred at Barker Slough on February 6, 2008. Concentrations continue to decrease at BPP from 294 to 275 mg/L (490 uS/cm to 458 uS/cm) due to persistent precipitation and subsequent dilution.

Bromide: Trend is similar to TDS, but concentrations remain above the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L project wide, ranging from 0.05 to 0.31 mg/L. Barker Slough had the lowest concentration of 0.05 mg/L, followed by Vallecitos with 0.17 mg/L while the highest concentration of 0.31 mg/L occurred at Check 41. The concentration at BPP decreased slightly from 0.25 to 0.22 mg/L as of February 6, 2008.

Turbidity: Turbidity levels increased at the following locations, BPP, Barker Slough and Vallecitos. Turbidity level was unchanged at Check 41, but decreased slightly at Devil Canyon to 2 NTU. The lowest levels of 2 NTU occurred at Devil Canyon while the highest level of 106 NTU occurred at Barker Slough. Turbidity levels increased from 20 NTU to 31 NTU at BPP this week. Turbidity levels for Check 29 are unavailable due to instrument malfunction.

Dissolved Organic Carbon: Concentrations increased at BPP from 5.8mg/L to 6.5, at Check 13 from 4.9 mg/L to 7.2 mg/L and Edmonston from 2.1 mg/L to 2.4 mg/L, this week. Concentrations at BPP and Check 13 exceeded the CALFED TOC Objective of 3.0 mg/L. The increased DOC concentrations this week, is a reflection of the rainstorm and runoff events.

Taste and Odor Compounds: MIB and geosmin remain low ranging from non-detect to 2 ng/L at Clifton Court , BPP, Del Valle Check 7 and O'Neill Forebay Outlet as of January 28 and February 4, 2008. There were no detections at San Luis Reservoir and Pacheco Pumping Plant.

Note:

The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientist and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and can be directed to Cindy Garcia @ 916-653-7213, or Austine Eke @ 916-653-7227. To view WQ data from any of the 15 automated stations along the SWP, visit: <http://www.womwq.water.ca.gov> and click the "Autostation Data" link on the left side navigation bar.